PC32099A_GPR35 SERQUENCE for NY(Identical to PC32099)
SEQUENCE LISTING

<110> Pfizer Inc.; Pfizer Japan Inc. (for Japan)

<120> GPR35

<130> PC32099

<160> 23

<170> PatentIn version 3.1

<210> 1
<211> 921
<212> DNA
<213> rat

<400> 1

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ttctgctatc gcatgcacca gtggacggag acccgagtct atatgaccaa cctggctgtg   180

gctgacgtct gcctgctctg ctccttgcca ttcgtgctgt actccctgaa atacagtact   240

tcggacacac ccatctgcca gctctcacag ggcatctacc tggtcaacag gtacatgagc   300

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gccactgacg tggagcaggt ggaggccact cagaaggcca cccgcatggt ctgggccaac   660

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ctgaacctcc acacctgcgc tgcccgaaac atcttcagcc gtgccctgac aatcacagcc   780

aagctctcag acatcaactg ctgcctggat gccatctgtt actactacat ggccaaagag   840

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<210> 2
<211> 306
<212> PRT
<213> rat

<400> 2

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1               5                  10                  15

His Ile Phe Thr Ile Tyr Leu Val Leu Leu Leu Val Leu Gly Leu Leu
            20                  25                  30

Leu Asn Gly Leu Ala Leu Trp Val Phe Cys Tyr Arg Met His Gln Trp
        35                  40                  45

Thr Glu Thr Arg Val Tyr Met Thr Asn Leu Ala Val Ala Asp Val Cys
    50                  55                  60

Leu Leu Cys Ser Leu Pro Phe Val Leu Tyr Ser Leu Lys Tyr Ser Thr
```

PC32099A_GPR35 SERQUENCE for NY (Identical to PC32099)

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65                    70              75              80

Ser Asp Thr Pro Ile Cys Gln Leu Ser Gln Gly Ile Tyr Leu Val Asn
                85              90              95

Arg Tyr Met Ser Ile Ser Leu Val Thr Ala Ile Ala Val Asp Arg Tyr
            100             105             110

Val Ala Val Arg His Pro Leu Arg Ala Arg Glu Leu Arg Ser Pro Arg
        115             120             125

Gln Ala Gly Ala Val Cys Val Ala Leu Trp Val Ile Val Val Thr Ser
    130             135             140

Leu Val Leu Arg Trp Arg Leu Gly Ile Gln Glu Gly Gly Phe Cys Phe
145             150             155             160

Ser Ser Gln Asn Arg Tyr Asn Phe Ser Thr Thr Ala Phe Ser Leu Leu
                165             170             175

Gly Phe Tyr Leu Pro Leu Ala Ile Val Val Phe Cys Ser Leu Gln Val
            180             185             190

Val Thr Ala Leu Ala Arg Arg Pro Ala Thr Asp Val Glu Gln Val Glu
        195             200             205

Ala Thr Gln Lys Ala Thr Arg Met Val Trp Ala Asn Leu Ala Val Phe
    210             215             220

Ile Ile Cys Phe Leu Pro Leu His Leu Ile Leu Thr Val Gln Val Ser
225             230             235             240

Leu Asn Leu His Thr Cys Ala Ala Arg Asn Ile Phe Ser Arg Ala Leu
                245             250             255

Thr Ile Thr Ala Lys Leu Ser Asp Ile Asn Cys Cys Leu Asp Ala Ile
            260             265             270

Cys Tyr Tyr Tyr Met Ala Lys Glu Phe Gln Asp Ala Ser Leu Arg Ala
        275             280             285

Thr Ala Ser Ser Thr Pro His Lys Ser Gln Asp Thr Gln Ser Leu Ser
    290             295             300

Leu Thr
305
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<211>  930
<212>  DNA
<213>  human

<400>  3
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gcgctctggg tgttctgctg ccgcatgcag cagtggacgg agacccgcat ctacatgacc       180
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PC32099A_GPR35 SERQUENCE for NY (Identical to PC32099)

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tacatgagca tcagcctggt catggccatc gccgtggacc gctatgtggc cgtgcggcac   360

ccgctgcgtg cccgcgggct gcggtccccc aggcaggctg cggccgtgtg cgcggtcctc   420

tgggtgctgg tcatcggctc cctggtggct cgctggctcc tggggattca ggagggcggc   480

ttctgcttca ggagcacccg gcacaatttc aactccatgg cgttcccgct gctgggattc   540

tacctgcccc tggccgtggt ggtcttctgc tccctgaagg tggtgactgc cctggcccag   600

aggccaccca ccgacgtggg gcaggcagag gccacccgca ggctgcccg catggtctgg   660

gccaacctcc tggtgttcgt ggtctgcttc ctgcccctgc acgtggggct gacagtgcgc   720

ctcgcagtgg gctggaacgc ctgtgccctc ctggagacga tccgtcgcgc cctgtacata   780

accagcaagc tctcagatgc caactgctgc ctggacgcca tctgctacta ctacatggcc   840

aaggagttcc aggaggcgtc tgcactggcc gtggctccca gtgctaaggc ccacaaaagc   900

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<210>   4
<211>   309
<212>   PRT
<213>   human

<400>   4
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Met Asn Gly Thr Tyr Asn Thr Cys Gly Ser Ser Asp Leu Thr Trp Pro
1               5                   10                  15

Pro Ala Ile Lys Leu Gly Phe Tyr Ala Tyr Leu Gly Val Leu Leu Val
            20                  25                  30

Leu Gly Leu Leu Leu Asn Ser Leu Ala Leu Trp Val Phe Cys Cys Arg
        35                  40                  45

Met Gln Gln Trp Thr Glu Thr Arg Ile Tyr Met Thr Asn Leu Ala Val
    50                  55                  60

Ala Asp Leu Cys Leu Leu Cys Thr Leu Pro Phe Val Leu His Ser Leu
65                  70                  75                  80

Arg Asp Thr Ser Asp Thr Pro Leu Cys Gln Leu Ser Gln Gly Ile Tyr
                85                  90                  95

Leu Thr Asn Arg Tyr Met Ser Ile Ser Leu Val Met Ala Ile Ala Val
            100                 105                 110

Asp Arg Tyr Val Ala Val Arg His Pro Leu Arg Ala Arg Gly Leu Arg
            115                 120                 125

Ser Pro Arg Gln Ala Ala Ala Val Cys Ala Val Leu Trp Val Leu Val
    130                 135                 140

Ile Gly Ser Leu Val Ala Arg Trp Leu Leu Gly Ile Gln Glu Gly Gly
145                 150                 155                 160

Phe Cys Phe Arg Ser Thr Arg His Asn Phe Asn Ser Met Ala Phe Pro
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PC32099A_GPR35 SERQUENCE for NY (Identical to PC32099)
165   170   175

Leu Leu Gly Phe Tyr Leu Pro Leu Ala Val Val Val Phe Cys Ser Leu
          180   185   190

Lys Val Val Thr Ala Leu Ala Gln Arg Pro Pro Thr Asp Val Gly Gln
          195   200   205

Ala Glu Ala Thr Arg Lys Ala Ala Arg Met Val Trp Ala Asn Leu Leu
    210   215   220

Val Phe Val Val Cys Phe Leu Pro Leu His Val Gly Leu Thr Val Arg
225   230   235   240

Leu Ala Val Gly Trp Asn Ala Cys Ala Leu Leu Glu Thr Ile Arg Arg
              245   250   255

Ala Leu Tyr Ile Thr Ser Lys Leu Ser Asp Ala Asn Cys Cys Leu Asp
          260   265   270

Ala Ile Cys Tyr Tyr Tyr Met Ala Lys Glu Phe Gln Glu Ala Ser Ala
        275   280   285

Leu Ala Val Ala Pro Ser Ala Lys Ala His Lys Ser Gln Asp Ser Leu
    290   295   300

Cys Val Thr Leu Ala
305

<210> 5
<211> 924
<212> DNA
<213> mouse

<400> 5
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ggtaaactct cagacaccaa ctgctgcctg gatgccatct gttactacta catggccaga   840

gagttccagg aagcgtccaa gccagccacg tcttccaaca cacccacaa gagccaagat   900

PC32099A_GPR35 SERQUENCE for NY(Identical to PC32099)
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<210>  6
<211>  307
<212>  PRT
<213>  mouse

<400>  6
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1   5   10   15.

Asn Asn Phe Phe Ile Ile Tyr Ser Ala Leu Leu Val Leu Gly Leu
            20   25   30

Leu Leu Asn Ser Val Ala Leu Trp Val Phe Cys Tyr Arg Met His Gln
        35   40   45

Trp Thr Glu Thr Arg Ile Tyr Met Thr Asn Leu Ala Val Ala Asp Leu
    50   55   60

Cys Leu Leu Cys Ser Leu Pro Phe Val Leu Tyr Ser Leu Lys Tyr Ser
65   70   75   80

Ser Ser Asp Thr Pro Val Cys Gln Leu Ser Gln Gly Ile Tyr Leu Ala
            85   90   95

Asn Arg Tyr Met Ser Ile Ser Leu Val Thr Ala Ile Ala Val Asp Arg
            100   105   110

Tyr Val Ala Val Arg His Pro Leu Arg Ala Arg Glu Leu Arg Ser Pro
        115   120   125

Arg Gln Ala Ala Ala Val Cys Val Ala Leu Trp Val Ile Val Val Thr
    130   135   140

Ser Leu Val Val Arg Trp Arg Leu Gly Met Gln Glu Gly Gly Phe Cys
145   150   155   160

Phe Ser Ser Gln Thr Arg Arg Asn Phe Ser Thr Thr Ala Phe Ser Leu
            165   170   175

Leu Gly Phe Tyr Leu Pro Leu Ala Ile Val Val Phe Cys Ser Leu Gln
            180   185   190

Val Val Thr Val Leu Ser Arg Arg Pro Ala Ala Asp Val Gly Gln Ala
        195   200   205

Glu Ala Thr Gln Lys Ala Thr His Met Val Trp Ala Asn Leu Ala Val
    210   215   220

Phe Val Ile Cys Phe Leu Pro Leu His Val Val Leu Thr Val Gln Val
225   230   235   240

Ser Leu Asn Leu Asn Thr Cys Ala Ala Arg Asp Thr Phe Ser Arg Ala
            245   250   255

Leu Ser Ile Thr Gly Lys Leu Ser Asp Thr Asn Cys Cys Leu Asp Ala

PC32099A_GPR35 SERQUENCE for NY (Identical to PC32099)
```
           260                      265                   270
```

```
Ile Cys Tyr Tyr Tyr Met Ala Arg Glu Phe Gln Glu Ala Ser Lys Pro
         275                 280                 285
```

```
Ala Thr Ser Ser Asn Thr Pro His Lys Ser Gln Asp Ser Gln Ile Leu
    290                 295                 300
```

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Ser Leu Thr
305
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<210> 7
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

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<210> 8
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<220>
<223> primer

<400> 8
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<210> 9
<211> 36
<212> DNA
<213> Artificial Sequence

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<223> primer

<400> 9
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<210> 10
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 10
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<210> 11
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 11
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PC32099A_GPR35 SERQUENCE for NY(Identical to PC32099)

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<212>  DNA
<213>  Artificial Sequence

<220>
<223>  primer

<400>  12
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<210>  13
<211>  26
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  primer

<400>  13
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<210>  14
<211>  36
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  primer

<400>  14
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<210>  15
<211>  30
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  primer

<400>  15
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<210>  16
<211>  25
<212>  DNA
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<220>
<223>  primer

<400>  16
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<210>  17
<211>  25
<212>  DNA
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<220>
<223>  primer

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<210>  18
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PC32099A_GPR35 SERQUENCE for NY (Identical to PC32099)

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<211>  17
<212>  DNA
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<220>
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<400>  18
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<210>  19
<211>  17
<212>  DNA
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<220>
<223>  primer

<400>  19
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<212>  DNA
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<220>
<223>  primer

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<210>  21
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<212>  DNA
<213>  Artificial Sequence

<220>
<223>  primer

<400>  21
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<210>  22
<211>  24
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  primer

<400>  22
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<210>  23
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<212>  DNA
<213>  Artificial Sequence

<220>
<223>  primer

<400>  23
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